

Work Order ID 152587

Tuesday, November 01, 2016 12:43:43 PM

152587

Page 1

Item ID: D4002-043

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Aux Tank Drain Hose Assy. Aft

Start Date: 11/3/2016 Start Qty: 3.00 ***3***

Cust Item ID:

Required Date: 11/17/2016 Req'd Qty: 3.00 ***3***

Customer:

Reference:

Approvals:

Process Plan:

DAS
21
9-89

Date: NOV 01 2016

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

D4002

D

0.00

100

100

Purchasing

Purchasing

Memo

Issue P/O: 34172
Purchase part as per Dwg D4002
Part #:156001-3S-0154
Possible Supplier: Aviall / API
Material release note required

0.00

3

NOV 03 2016

DAS
13
9-89

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Packaging

Memo

0.01

3x SP/6-12-5

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
Root Cause		FAULT CATEGORY							
Environment ☐	☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐			
Design ☐	☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐			
Doc/Data ☐	☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐			
Equip/Tooling ☐	☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐			
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Material ☐	☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐			
Internal Transport ☐	☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐			
Tribal Knowledge ☐	☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐			
LOA ☐	☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐			
Substation ☐	☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐			
Past Expiry Date ☐	☐	Manufacturing Process ☐	OTHER : _____						
Misidentified ☐	☐	Past Due ☐							

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Date:

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Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120

QC6- Inspect dimensions to drawing

0.00

120

QC

Memo

0.00

Quality Control

DAS

38

DEC 05 2016

121

0.00

121

Small Fab

Memo

0.05

Small Fab

1-Assemble fitting, o-ring and valve as per dwg D4002
2- Install label as per dwg

3

FF

DEC 06 2016

122

QC5- Inspect part completeness to step on W/O

0.00

122

QC

Memo

0.01

Quality Control

DAS

9

9-89

③

16-12-06

DQA: _____ Date: _____



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Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

Identify as per dwg & Stock Location: 521

0.00

130

Packaging

Memo

0.01

Packaging

③ MF 16-12-08

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.05

Quality Control

16/12/13

MF
16-12-08

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Picklist Print

Tuesday, November 01, 2016 12:43:49 PM

Page 1

Work Order ID: 152587

152587

Parent Item: D4002-043

D4002-043

Parent Item Name: Aux Tank Drain Hose Assy, Aft

Start Date: 11/3/2016

Required Date: 11/17/2016

Start Qty: 3.00

Required Qty: 3.00

Comments: IPP rev A 10.01.21 new issue Prelim EC verified by:DD
10.11.03 added MS29528-04 DD verified by:EC IPP rev B

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
156001-3S-0154		Purchased	No			110	Each	0.0000	1	3			
156001-3S-0154									**				
Hose Assembly													
MS29528-4		Purchased	No			121	Each	2.0000	1	3			
MS29528-4									**				
Fuel Drain Valve													
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				GA	13690	2							
				m133842		2				3			
MS29512-04		Purchased	No			121	Each	70.0000	1	3			
MS29512-04									**				
O-Ring				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				CA		70							
				m129682		70				3			
AN894D4-3		Purchased	No			121	Each	11.0000	1	3			
AN894D4-3									**				
Fitting				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST323	135979	11				3			
				m134567		5							
				m323		6							
D2729-1		Manufactured	Yes			121	Each	0.0000	1	3			
D2729-1									**				
Part Id Label (Re-Issue)										3			

3x 8p16-125

FF DEC 06 2016

FF DEC 06 2016

FF DEC 06 2016

FF DEC 06 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Parent Item: D4002-043

D4002-043

Parent Item Name: Aux Tank Drain Hose Assy, Aft

Start Date: 11/3/2016

Required Date: 11/17/2016

Start Qty: 3.00

Required Qty: 3.00

D2182-045

Manufactured

No

121

Each

0.0000

1

3

D2182-045

Heat Shrink 4.5" Long

**

3 FF

DEC 06 2016

Tuesday, November 01, 2016 12:43:49 PM

Shop Packet Print

Page 2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

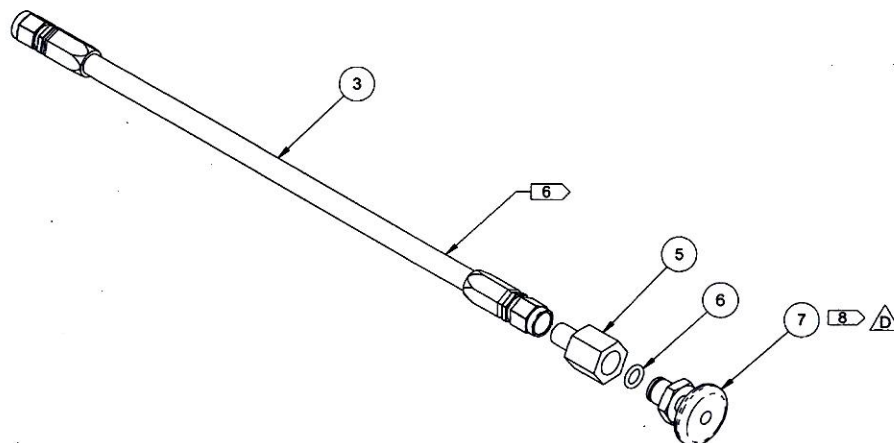
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Work Order update only ☐

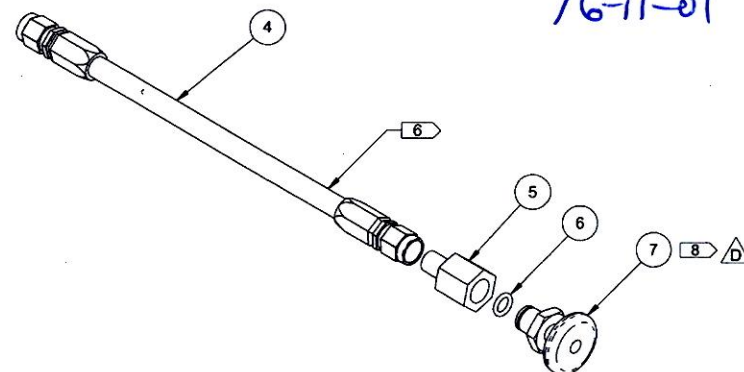
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Past Expiry Date ☐		Manufacturing Process ☐		OTHER : _____																					
Misidentified ☐		Past Due ☐																							

ITEM NO.	QTY. -041	QTY. -043	PART NUMBER	DESCRIPTION	JOHN CAMERON AVIATION PART NUMBER
1	X		D4002-041	AUX TANK DRAIN HOSE ASSEMBLY, FWD	JCA-M47-1-13
2		X	D4002-043	AUX TANK DRAIN HOSE ASSEMBLY, AFT	JCA-M47-1-16
3	1		D4002-1	HOSE ASSEMBLY	
4		1	D4002-3	HOSE ASSEMBLY	
5	1	1	AN894D4-3	FITTING	
6	1	1	MS29512-04	O RING	
7	1	1	CCB4320	FUEL DRAIN VALVE (MS29528-4)	

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 152587 MLC
/6-11-01



D4002-041 DRAIN HOSE - FRONT



D4002-043 DRAIN HOSE - REAR

RELEASED
2011-11-16
JMD

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N AND B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
- 7) WEIGHT: D4002-041 - 0.21 lbs
D4002-043 - 0.20 lbs
- 8) DRAIN VALVE MAY NOT APPEAR EXACTLY AS PICTURED

D	ADDED NOTE 8	DC	11.10.06
C	ADDED 8.00" TO D4002-1/3 HOSES; AFFECTED WEIGHT	MB	11.09.14
B	CHANGE LENGTH MEASUREMENT FOR -3, ZN C2-2	HS	10.11.03
A	NEW ISSUE	HS	10.03.01
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN	JDC		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	11.10.06		

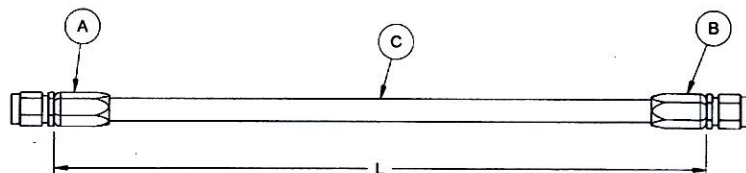
DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D4002** REV. D
SHEET 1 OF 2
TITLE **HOSE ASSEMBLY** SCALE NTS

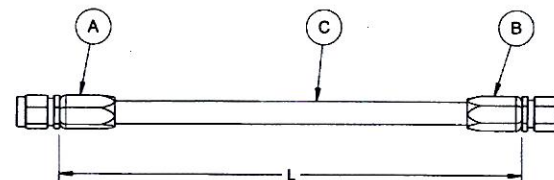
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NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT
WRITTEN PERMISSION FROM DART AEROSPACE LTD.

DART AEROSPACE PART NUMBER	JOHN CAMERON AVIATION PART NUMBER
D4002-1	REF JCA-M47-1-13
D4002-3	REF JCA-M47-1-16
D4002-5	JCA-M47-2-13
D4002-7	JCA-M47-2-25

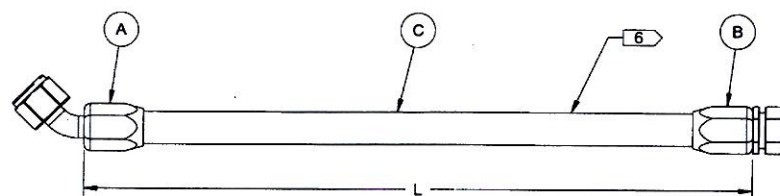
SPECIFICATION CONTROL DRAWING



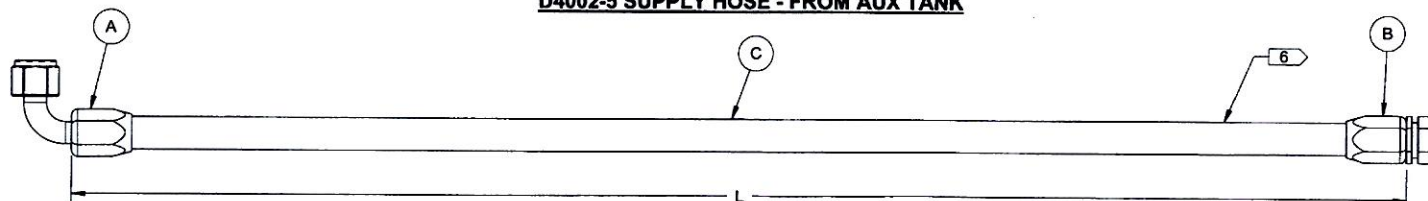
D4002-1 HOSE ASSEMBLY



D4002-3 HOSE ASSEMBLY



D4002-5 SUPPLY HOSE - FROM AUX TANK



D4002-7 SUPPLY HOSE - PUMP TO MAIN TANK FILLER NECK

DART PART NUMBER	STRATOFLEX PART NUMBER	POSSIBLE VENDOR	LENGTH "L"	END FITTING "A"	END FITTING "B"	HOSE "C"	WEIGHT
D4002-1	156001-3S-0185	AVIALL/API	17.90	676-3S	676-3S	156-3	0.16 lbs
D4002-3	156001-3S-0154	AVIALL/API	14.76	676-3S	676-3S	156-3	0.15 lbs
D4002-5	156003-6D-0102	AVIALL/API	8.94	678-6D	676-6D	156-6	0.13 lbs
D4002-7	156005-6D-0213	AVIALL/API	20.31	680-6D	676-6D	156-6	0.19 lbs

RELEASED
2011-11-16

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY WITH DART P/N AND B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
- 7) WEIGHT: SEE TABLE

DESIGN		DART AEROSPACE LTD
DRAWN		HAWKESBURY, ONTARIO, CANADA
CHECKED		DRAWING NO. D4002
MFG. APPR.		REV. D
APPROVED		SHEET 2 OF 2
DE APPR.		TITLE HOSE ASSEMBLY
DATE	11.10.06	SCALE NTS
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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

OUTSTANDING PO REPRINT

Purchase Order ID PO34172

Purchase Order Date 11/3/2016

PO Print Date 12/5/2016

Page Number 1 of 3

Order From : VU-AVI003

AVIALL
PO BOX 842275

DALLAS, TX 75284-2275
USA

Ship To : DART AEROSPACE LTD

1270
ABERD
EEN
HAWKE
SBURY,
ON
K6A
1K7
CANAD
A

Contact Name

Vendor Phone 905-676-1695

Vendor Fax 905-676-9046

Ship To Contact

Ship To Phone

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

USD

FOB

EXW - (Ex Works)

Ship Method FedEx Overnight collect

Ship Acct

Line Nbr	Item ID Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable	Req Qty	Extended Price
13	156001-3S-0154 AS PER DWG D4002 REV. D B152587	Hose Assembly	12/5/2016 Yes 12/5/2016	3.00 Each	\$319.68
Line Total:					\$319.68
14	156003-6D0102 AS PER DWG D4002 REV. D B152588	Hose Assembly	12/5/2016 Yes 12/5/2016	2.00 Each	\$356.16
Line Total:					\$356.16

36
9-89

PO Instructions: Fedex Acc#151793240

12/5/2016



PACKING LIST



DELIVERY NUMBER: 8003870331

ROUTE: US FedEx International Economy

PAGE:1 of 1
DATE:02DEC16
TIME:14:48:32
EMP:00000000
ORD TYP: ZOR 169
CURRENCY:USD
TERMS:Net 30

CUSTOMER PO:34172
ORDER NUMBER:1002602431
ORDER DATE:03NOV16

B 10003952
I DART AEROSPACE LTD
L 1270 ABERDEEN STREET
L HAWKESBURY ON K6A 1K7
T CANADA
O

S 10003952
H DART AEROSPACE LTD
I 1270 ABERDEEN STREET
P HAWKESBURY ON K6A 1K7
T CANADA
O

S 1009
H AVIALL DALLAS HOSE SHOP
I DALLAS HOSE SHOP
P 2755 REGENT BLVD
F DFW AIRPORT TX 75261
R USA
O

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM		CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00010	0	1S	156001-3S0154 HOSE: MED PRESSURE,RUBBER	3	3	0	EA		106.56	319.68
			BATCH 100104775		3					
00020	0	1S	156003-6D0102 HOSE: MED PRESSURE,RUBBER	2	2	0	EA		178.08	356.16
			BATCH 100104776		2					
00030	0	1S	156005-6D0213 HOSE: MED PRESSURE,RUBBER	2	2	0	EA		227.29	454.58
			BATCH 100104777		2					

SP16-P-5

DAS
30
3-88

This is not an Invoice.
For payment processing, please refer to Invoice.

The recipient of these goods agrees to comply with all export regulations governing the transfer, sale, lease, or use of these goods.
Diversion contrary to U.S. Law is prohibited.

CERTIFICATE OF CONFORMANCE

It is hereby certified that Aviall Services, Inc., is an approved distributor and meets all requirements of ISO9001, AS9100, AS9120 and AC 00-56 at 2750 Regent Blvd, DFW Airport, Texas. The products, articles or parts referenced on this document are in new or overhauled condition and were purchased from an approved source (FAA, EASA, TCCA, Mil Spec or Commercial). The Original Manufacturers' Certifications are maintained on file at our central office location, and copies are available upon request or at Aviall.com. For overhauled or repaired products, articles or parts, the original FAA 8130-3 / EASA Form 1 (Return to Service) or Yellow Tag, from the FAA/JAA/EASA approved Air Agency are attached to the component.

JR Hofmann, Director, Global Quality

02DEC16
Date

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL
RETURNED MERCHANDISE SUBJECT TO HANDLING
FEE.
THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH
THE PROVISIONS OF THE FAIR LABOR ACT OF 1938
AMENDED.

CUSTOMER COPY



A BOEING COMPANY

Commercial Invoice

AVIALL SERVICES INC
2750 REGENT BLVD
DFW AIRPORT TX 75261

Tracking Number	Government Transaction Number
598520532730	NOEEI FTR 30.36
Ship From	Delivery Number
LU_US_1009	8003870331
AVIALL DALLAS HOSE SHOP 2755 REGENT BLVD DFW AIRPORT TX 75261	Commercial Invoice Number
	9304787851
	Ship Date
	02 December, 2016
	Incoterms
	EXW Shipping Point

Sold To	10003952	Ultimate Consignee	10003952	Ship To	10003952	Freight Forwarder	400010
DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA		DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA		DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA		FEDEX FEDEX NATIONAL LTL INC PO BOX 94515 PALATINE IL 60094-4515	
						Tax Number: 20-4734803	

Comments:

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Value USD	Extended Value USD
130	156001-3S0154 - HOSE: MED PRESSURE,RUBBER Export Tariff: 4009220050 Export Classification: 9A991.d Authorization: NLRAT_NOV_2016 Sales Order: 1002602431 PO: 34172	US	3	EA	106.56	319.68
140	156003-6D0102 - HOSE: MED PRESSURE,RUBBER Export Tariff: 4009220050 Export Classification: 9A991.d Authorization: NLRAT_NOV_2016 Sales Order: 1002602431 PO: 34172	US	2	EA	178.08	356.16
150	156005-6D0213 - HOSE: MED PRESSURE,RUBBER Export Tariff: 4009220050 Export Classification: 9A991.d Authorization: NLRAT_NOV_2016 Sales Order: 1002602431 PO: 34172	US	2	EA	227.29	454.58

DAS
38
9-88



Commercial Invoice

Delivery Number	Commercial Invoice Number
8003870331	9304787851

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Price USD	Extended Value USD
------	---------------------------	-------------------	----------	-----	-------------------	-----------------------

Gross Value	1,130.42
Add on Charges	
Tax Value	
Freight Charges	
Total Net Value	1,130.42

FOR CUSTOMS PURPOSES ONLY
NOT A BILLING INVOICE

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end user(s) here in identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.

SP/6-12-5





Hose Shop 2755 Regent Blvd. DFW Airport 75261
Phone 972-586-1380 Fax 972-586-1381 www.aviall.com

TSO CERTIFICATION

It is hereby certified that (A) The parts and/or materials reflected herein were produced under Federal Aviation Administration approved manufacturing and quality control system/methods as set forth in the FAA issued technical standard order authorizations (TSOA) issued to Stratoflex and (B) such part and/or materials are new and are in condition for safe operation.

Customer Order Number: 1002602431

1. 156005-6D0213 QTY. 2
2. 156003-6D0102 QTY. 2
3. 156001-3S0154 ✓

Signed: 

Date: 12-2-16

"Aviall is not providing OEM parts. Aviall is an authorized Stratoflex distributor providing TSO assemblies. Numbers referenced per customer requirements are for customer reference ONLY and are in no way intended to be represented as OEM parts. Any reference to an OEM part number does not authorize or reflect installation authority for this part. The installation authority is provided by the mechanic installing this product in accordance with FAR Part 43".

If applicable, satisfactory compliance with the conditions and tests required for TSO approval indicates the hose assembly has met the minimum performance standards as stated in the TSO. Furthermore, it is the responsibility of the installer to determine the installation eligibility and that it will not cause the hose assembly to be subjected to conditions in excess of those for which it has been approved.

FORM# CERT -001